

REMARKS

The Applicant wishes to thank the Examiner for thoroughly reviewing and considering the pending application. The Official Action dated July 31, 2002 has been received and carefully reviewed. Claims 1, 2, 10, 11, 12, 13, 20, 21 and 25 have been amended. No new matter has been added. Claims 5, 15 and 22 have been cancelled. Claims 1-4, 6-14, 16-21 and 23-25 are currently pending. Reexamination and reconsideration is respectfully requested.

The Official Action objected to the specification. The Applicant has corrected the specification as noted both above and requests that the rejection be withdrawn.

The Official Action also rejected claims 1-25 under 35 U.S.C. §112, second paragraph. In the Official Action, the Examiner objected to "temperature control logic" as being an intangible. The Applicant submits that "temperature control logic" is in fact hardware which corresponds to the claimed temperature control systems, as clearly shown with reference to Figures 2 and 3 of the originally filed application. Furthermore, with regards to the additional rejections discussed in the Official Action, the Applicant has amended the claims, as noted above, and respectfully submits that the amendments address the Examiner's concerns. Therefore, the Applicant respectfully requests that the rejections be withdrawn.

In addition, the Official Action rejected claims 11-16 and 20 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,613,364 (hereinafter "*Higgins*"). The Applicant respectfully traverses this rejection.

As required in Chapter 2131 of the M.P.E.P., in order to anticipate a claim under 35 U.S.C. §102, "the reference must teach every element of the claim." The Applicant respectfully submits that *Higgins* does not teach every element recited in claims 11-16 and 20. *Higgins* cannot, therefore, anticipate any of the claims. To further illustrate, claim 11 now recites a temperature control system for a process component of a semiconductor processing facility

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including, among other things, “an integrated heat exchanger including a portion of the cooling fluid circulation loop, a portion of the heat transfer fluid circulation loop and a heat source.”

Higgins, in contrast, does not disclose a temperature control system having an integrated heat exchanger. Therefore, the Applicant respectfully submits that *Higgins* fails to disclose each and every element recited in claim 11, as required under 35 U.S.C. §102(b), and requests that the rejection be withdrawn. The claims which depend from claim 11, namely, claims 12-16 and 20, are also patentable over *Higgins* for at least the same reason.

The Official Action also rejected claims 1-25 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,209,334 (hereinafter “*Cowans*”). This rejection is traversed.

The Applicant respectfully submits that *Cowans* does not teach each and every element recited in claims 1-25. For example, claim 1 now recites a temperature control system for a semiconductor processing facility comprising, among other features, “an integrated heat exchanger including a portion of both the cooling fluid circulation loop and the heat transfer fluid circulation loop and a heat source.” Similarly, claim 21 now recites a temperature control system for a process component of a semiconductor processing facility comprising in part an integrated heat exchanger which “includes a portion of both the cooling fluid circulation loop and the heat transfer fluid circulation loop and the heat source.” *Cowans* does not disclose a temperature control system having an integrated heat exchanger as recited in claims 1, 11 and 21. As such, the Applicant respectfully submits that *Cowans* fails to disclose each and every element recited in claims 1, 11 and 21, as required under 35 U.S.C. §102(e), and requests that the rejection be withdrawn. Likewise, claims 2-4 and 6-10, which depend from claim 1; claims 12-14 and 16-20, which depend from claim 11; and claims 23-25, which depend from claim 21, are patentable for at least the same reasons.

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The Official Action also indicated that claims 1-25 conflict with claims 1-10, 14-23 and 25-29 of Application No. 09/828,029 and provisionally rejected claims 1-25 under 35 U.S.C. §101. The Applicant respectfully submits that claims 1, 11 and 21 have been amended such that the claims of the present application do not conflict with Application No. 09/828,029. Thus, the Applicant requests that the rejection under 35 U.S.C. §101 be withdrawn.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

The Applicant hereby authorizes the Commissioner of Patents to charge any fees necessary to complete this filing, including any fees required under 37 C.F.R. §1.136 for any necessary Extension of Time to make the filing of the attached documents timely, or credit any overpayment in fees, to Deposit Account No. 50-0911. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. §1.136 for the necessary extension of time.

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Respectfully submitted,

By 

Song K. Jung

Registration No.: 35,210
MCKENNA LONG & ALDRIDGE LLP
1900 K Street, N.W.
Washington, DC 20006
(202) 496-7500
Attorney for Applicant

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